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Sub	Substitute for form 1449A/PTO				Complete if Known	REA
		_		Application Number	10/055797	
11	IFORMATIO	N DI	SCLOSURE	Filing Date	January 22, 2002	JUNA
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				Art Unit	1638	H CEAIRE
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Sheet	1	of	5	Attorney Docket Number	GNCA-P03-007	190/2900

		U.S. PATE	NT DOCUMENTS		
Cita	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines, Where Relevant	
No.	Number-Kind Code ² (if known)	MM-DD-YYYY	of Cited Document	Passages or Relevant Figures Appear	
AA	6,326,193	12-04-2001	Liu et al.		
		No. Number-Kind Code ² (if known)	Cite Number-Kind Cods² (if known) Document Number Publication Date MM-DD-YYYY	No. Number-Kind Code ² (if known) MM-DD-YYYY of Cited Document	

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Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant				
Initials*	No.	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	76			
K	AB	WO 01/36646	05-25-2001	Cancer Res. Campaign Tech.					
,	AÇ	WO 01/48183	07-05-2001	Devgen NV					
1	AD	WO 01/75164	10-11-2001	Whitehead Inst. Biomed. Res.					
	AE	WO 02/44321	06-06-2002	Max-Planck-Gesellschaft					
1	AF	WO 02/059300	08-01-2002	J & J Res. Pty Ltd					
4	AG	WO 02/068635	09-06-2002	Novartis					

^{*}EXAMINER: tritial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

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	Aí	Baulcombe, D.C. RNA as a target and an initiator of post-transcriptional gene silencing in transgenic plants. <i>Plant Mol. Biol.</i> 32, 79-88 (1996).		
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	AK	Bohmert, K. et al. AGO1 defines a novel locus of Arabidopsis controlling leaf development. EMBO J. 17, 170-180 (1998).		
	AL	Bosher, J.M. et al. RNA Interference Can Target Pre-mRNA: Consequences for Gene Expression in a Caenorhabditis elegans Operon. <i>Genetics</i> 153, 1245-1256 (Nov. 1999).	1.	
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V	AN	Catalanotto, C. et al. Gene silencing in worms and fungi. Nature 404, 245 (2000).		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/055797 Filing Date January 22, 2002 David Beach First Named inventor 1638 Art Unit

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	AQ	Connelly, J.C. & Leach, D.R. The sbcC and sbcD genes of Escherichia coli encode a nuclease involved in palindrome inviability and genetic recombination. <i>Genes-Cell</i> 1, 285-291 (1996).	
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	ВА	Hammond, S.M. et al. An RNA-directed nuclease mediates post-transcriptional gene silencing in Drosophila cells. <i>Nature</i> 404, 293-296 (2000).	
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	Complete if Known					
Application Number	10/055797					
Filing Date	January 22, 2002					
First Named Inventor	David Beach	JUA				
Art Unit	1638	٦,,				
Examiner Name	Not Yet Assigned	OFAIRE				
Attorney Docket Number	GNCA-P03-007	THE PARTY OF THE P				

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	ВІ	Ketting, R.F. et al. mut-7 of C. elegans, Required for Transposon Silencing and RNA Interference, Is a Homolog of Werner Syndrome Helicase and RNaseD. <i>Cell</i> 99, 133-141 (1999).	
	ВЈ	Kramer, E.R. et al. Activation of the human anaphase-promoting complex by proteins of the CDC20/Fizzy family. <i>Curr. Biol.</i> 8, 1207-1210 (1998).	
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	ВМ	Matsuda, S. et al. Molecular cloning and characterization of a novel human gene (HERNA) which encodes a putative RNA-helicase. <i>Biochim. Biophys. Acta</i> 1490, 163-169 (2000).	
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First Named Inventor David Beach

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1	BU	Schneider, I. Cell lines derived from late embryonic stages of Drosophila melanogaster. <i>J. Embryol. Exp. Morpho.</i> 27, 353-365 (1972).
	BV	Sharp, P.A. RNAi and double-strand RNA. Genes Dev. 13, 139-141 (1999).
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	вх	Shuttleworth, J. & Colman, A. Antisense oligonucleotide-directed cleavage of mRNA in Xenopus oocytes and eggs. <i>EMBO J.</i> 7, 427-434 (1988).
	BY	Sijen, T. & Kooter, J.M. Post-transcriptional gene-silencing: RNAs on the attack or on the defense? <i>Bioessays</i> 22, 520-531 (2000).
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	СВ	Tabara, H. et al. RNAi in C. elegans: Soaking in the Genome Sequence. Science 282, 430-432 (1998).
	CC	Tabara, H. et al. The rde-1 Gene, RNA Interference, and Transposon Silencing in C. elegans. Cell 99, 123-132 (1999).
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	CE	Timmons, L. & Fire, A. Specific interference by ingested dsRNA. Nature 395, 854 (1998).
	CF	Tuschi, T. et al. Targeted mRNA degradation by double-stranded RNA in vitro. Genes Dev. 13, 3191-3197 (1999).
	CG	Vaucheret, H. et al. Transgene-induced gene silencing in plants. Plant J. 16, 651-659 (1998).
	СН	Wassenegger, M. & Pelissier, T. A model for RNA-mediated gene silencing in higher plants. Plant Mol. Biol. 37, 349-362 (1998).
	CI	Waterhouse, P.M. et al. Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA. <i>PNAS</i> 95, 13959-13964 (Nov. 1998).
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Application Number 10/055797

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Date Considered Signature

^{&#}x27;Applicant's unique citation designation number (optional). 'Applicant is to place a check mark here if English language Translation is attached.

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, ,,,				Application Number	10/055797		
11	INFORMATION DISCLOSURE		Filing Date	January 22, 2002			
S	TATEMENT	T BY AF	PPLICANT	First Named Inventor David Beach			
				Art Unit	1632	<u></u>	
	(use as many	sheets as ne	cessary)	Examiner Name	LACOURCIERE, Karen	<u></u>	
Sheet	1	of	1	Attorney Docket Number	GNCA-P03-007	;	

				NT DOCUMENTS	
	Cite No.'	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines
KC	AA	6,506,559	01-14-2003	Fire et al.	

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Examiner	Cite	16	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
intials*	No.'		MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T ⁴
KC	AB	WO 94/01550	01-20-1994	Hybridon, Inc		
	AC	WO 00/63364	10-26-2000	American Home Products		\Box
	AD	WO 00/44895	08-03-2000	RiboPharma AG		
	AE	WO 99/49029	09-30-1999	Dept. of Primary Industries		
	AF	WO 00/01846	01-13-2000	Devgen N.V.		
	AG	WO 00/44914	08-03-2000	University of Georgia		
V	AH	WO 01/49844	07-12-2001	Rutgers University	1	

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¹Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³
Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
KC	Al	Singh et al. "Inverted-repeat DNA: a new gene-silencing tool for seed lipid modification" Biochem Soc Trans 28(6):925 (2000)	
ì	AJ	Hammond et al. "Post-transcriptional gene silencing by double-stranded RNA" Nature Rev Genetics 2(2):10 (2001)	
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				Application Number	10/055797	
11	IFORMATIO	N DISC	LOSURE	Filing Date	January 22, 2002	
S	TATEMENT	BY AP	PLICANT	First Named Inventor	David H. Beach	
				Art Unit	1635	
	(Use as many si	heets as nec	essary)	Examiner Name	K.A. Lacourciere	
Sheet	1	of	1	Attorney Docket Number	CSHL-P03-010	

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (#known)	Publication Data MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		

FOREIGN PATENT DOCUMENTS						
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Examiner Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁸ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	76
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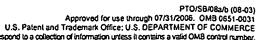
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	r Cite No.1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), pub and/or country where published.		
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Sheet 1 of 3

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Application Number	10/055797			
Filing Date	January 22, 2002			
First Named Inventor	Gregory J. Hannon			
Art Unit	1635			
Examiner Name	Chong, K.			
Attorney Docket Number	CSHL-P03-010			

	CAU.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-OD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
KC	AA	2005/0164210	07-28-2005	Mittal et al.		

	CBFOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁶ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶	
K	ВА	WO 04/029219	04-08-2004	Fridman et al.		\vdash	
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Application Number	10/055797			
Filing Date	January 22, 2002			
First Named Inventor	Gregory J. Hannon			
Art Unit	1635			
Examiner Name	Chong, K.			
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11	NFORMATION	I DI	SCLOSURE	Filing Date	January 22, 2002	
S	TATEMENT E	3Y /	APPLICANT	First Named Inventor	Gregory J. Hannon	
				Art Unit	1635	
	(Use as many sh	eets a:	s necessary)	Examiner Name	Chong, K.	
Sheet	3	of	3	Attorney Docket Number	CSHL-P03-010	

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SI	STATEMENT BY APPLICANT			First Named Inventor	David H. Beach	
				Art Unit	1635	
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Sheet	1	of	1	Attorney Docket Number	CSHL-P03-010	

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KC	CA	Hammond, S., et al., "Argonaute2, a Link Between Genetic and Biochemical Analyses RNAi," Science, 293:5532, 1146-1150 (2001).				
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	KE	AA	US-2002/0114784	08-22-2002	Yin-Xiong Li	
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